(No Model.)

A. G. HOFSTATTER.

PICTURE CORD FASTENER.

No. 358,268. Patented Feb. 22, 1887.

Fig. 3.

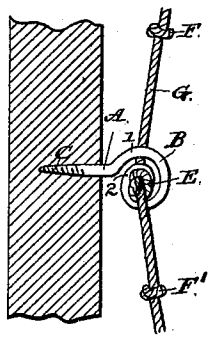


Fig. 2.

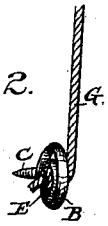


Fig. 5.

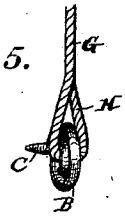


Fig. 4.

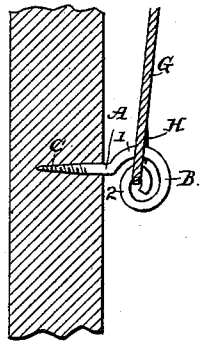


Fig. 1.

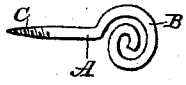
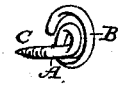


Fig. 6.



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UNITED STATES PATENT OFFICE.

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PICTURE-CORD FASTENER.

SPECIFICATION forming part of Letters Patent No. 358,268, dated February 22, 1887.

Application filed July 15, 1886. Serial No. 208,145. (No model.)

To all whom it may concern:

Be it known that I, ADOLPH G. HOFSTATTER, of the city, county, and State of New York, have invented a new and useful Improvement in Picture-Cord Fasteners; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification, in which—

Figure 1 is an elevation of one of my improved convolute cord-holders for fastening the ends of picture-cords. Fig. 2 is a view in perspective of the holder, illustrating its use in connection with a knotted cord; Fig. 3, a side view of the device holding a knotted cord, the frame to which it is secured being illustrated in section; Fig. 4, a similar view of a frame carrying a convolute holder supporting a looped cord, Fig. 5 being a detached view in perspective of the holder and looped cord; and Fig. 6 is a perspective view of a modification in which the central end of the spiral is extended outward to form the stem or shank of the convolute holder.

My invention has for its object to provide means for readily making fast the ends of a picture-cord to a picture-frame and to provide a firm secure support for the same, and likewise to facilitate a ready adjustment of the length of the cord.

Ordinarily the picture-cord is fastened to the frame by means of eyes or rings, through which the cord or wire is led and then tied in a knot or twisted upon itself. With these rings it is a difficult matter to properly adjust a picture or to change its adjustment or to detach it from the cord for any purpose. These difficulties are all overcome by the use of my invention.

The invention consists of a bit of stiff inelastic wire coiled in the form of a flat spiral or convolute, and which terminates, preferably at its outer end, in a stem projecting therefrom radially in the plane of the spiral, or at an angle therewith. This stem may be either threaded to form a screw or made fast to a base-plate, by which to attach it to any desired surface through the agency of independent screws or nails.

In its simplest form my improved cord-holder is made of a rod or bit of wire, A, more or less stout, as required, which is turned at one end into a convolute or flat spiral coil, B, as shown in Fig. 1, and whose opposite outer end, C, left to project as a stem radially in the plane of the flat spiral, is pointed and threaded to form a gimlet-pointed screw which may be readily entered into and will obtain firm hold upon the picture-frame or other object to which it is to be attached.

While it is preferable that the stem C be pointed and threaded as a means of attachment for the device, it may be riveted or otherwise secured to a flat base-plate at a right angle to the plane of the spiral, said base-plate being then made to serve as a means by which to fasten the plate with nails or screws to the frame or other object, as desired.

It is evident, also, that the inner end of the coiled rod may be made to project at a right angle to the plane of the spiral and be threaded, as shown in Fig. 6, to serve as a means for the support of the holder, although the use of the outer end of the coiled rod for the purpose is preferable.

In the use of this convolute picture-cord holder it is only necessary to secure a button or to form a knot, E, at the end of the picture cord or wire G, as shown in Figs. 2 and 3, and to slip the portion of the cord above the knot into the spiral coil along its open convolutions for a short distance. As the knot cannot slip through between the convolutions it affords a firm hold and attachment for the cord, admitting, however, of very ready detachment by simply slipping or sliding the cord back out of the convolutions of the spiral. By slipping the knot forward until the center of the coil is reached the security of the fastening is improved.

The length of the cord may be readily adjusted with reference to the holder by forming a series of knots, F F′, &c., in the cord, as shown in Fig. 3.

Instead of using a knot as a means of connecting the cord or wire with the holder, a loop, H, may be made in the end of the cord and slipped into the convolutions, as illustrated in Figs. 4 and 5. By slipping this loop inward until the innermost turn is reached, as shown in Fig. 4, a very secure support is af-

forded to the cord by the double turns 1 2 of the wire cord.

I am aware that wire fasteners and hooks for suspending labels, &c., have heretofore been made with an eye formed with one or more complete or partial turns of the same diameter. My invention differs from these in that it consists in the combination of a stiff convolute or coil (whose several turns, varying in their diameter, are adapted to engage and hold fast a knotted or looped cord) with a projecting threaded shank by which the coil is made fast to the picture-frame, or with an equivalent plate to be held fast by screws or nails.

I claim as my invention—

1. In a device for fastening picture-cords to the picture-frame, the combination of an inelastic rigid coil whose several turns enlarge in diameter spirally from center to circumference, with means, substantially as described, for its attachment to the frame.

2. The holder for fastening cords to picture-frames, constructed of a stiff wire rod bent in the form of a coil whose several turns enlarge in diameter spirally from center to circumference, one end of which is made to project radially in the plane of the spiral to constitute a stem for the support and attachment of the coil to the frame, substantially in the manner and for the purpose herein set forth.

3. The combination, with a convolute spirally-coiled holder provided with means, substantially as described, for its attachment, of a knotted cord made fast to the holder by the engagement of its enlarged portion with the convolutions of the spiral, substantially in the manner and for the purpose herein set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ADOLPH G. HOFSTATTER.

Witnesses:

S. A. STAVERS,

A. N. JESBERA.